

FIG. 1

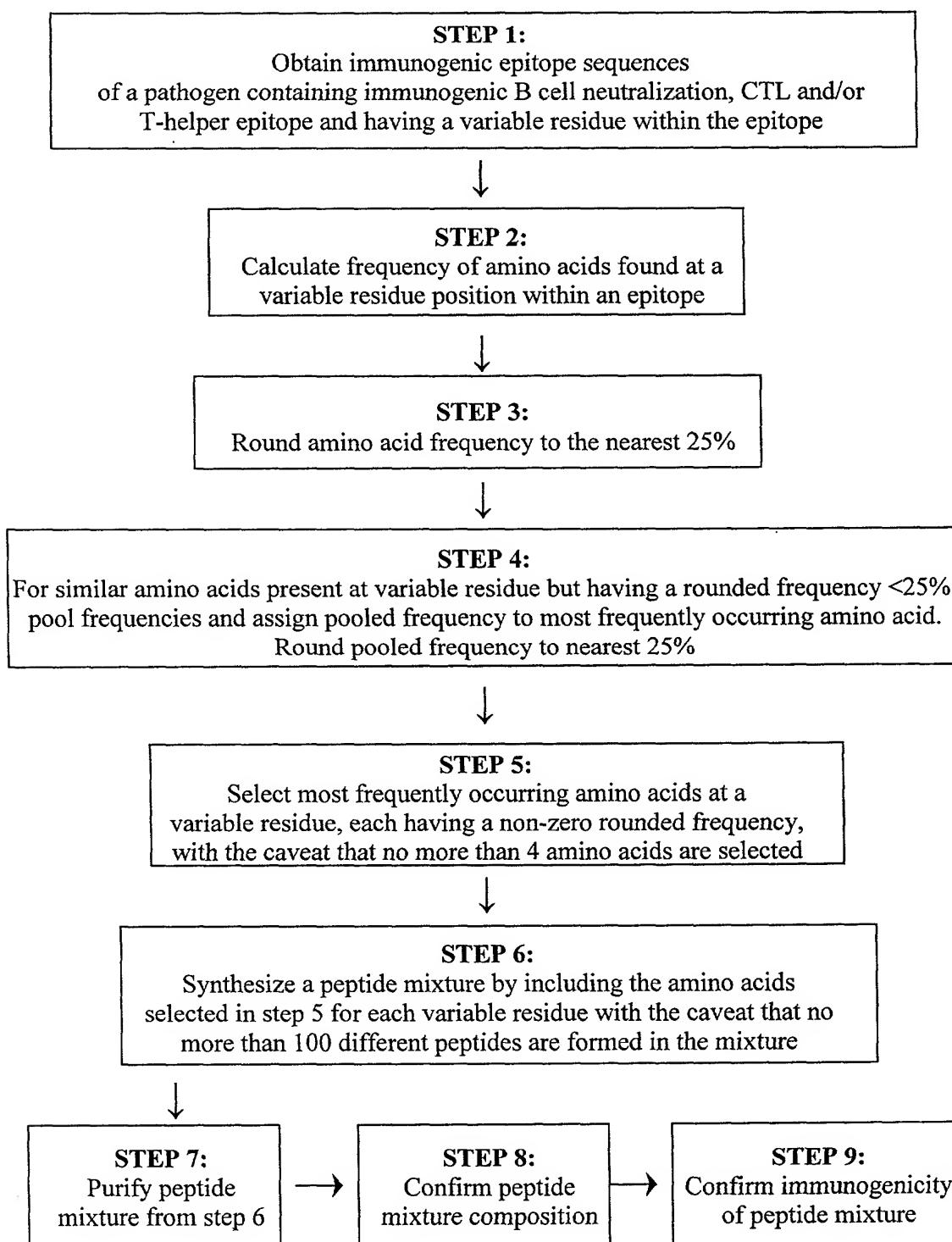


FIG. 2

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FIG. 3

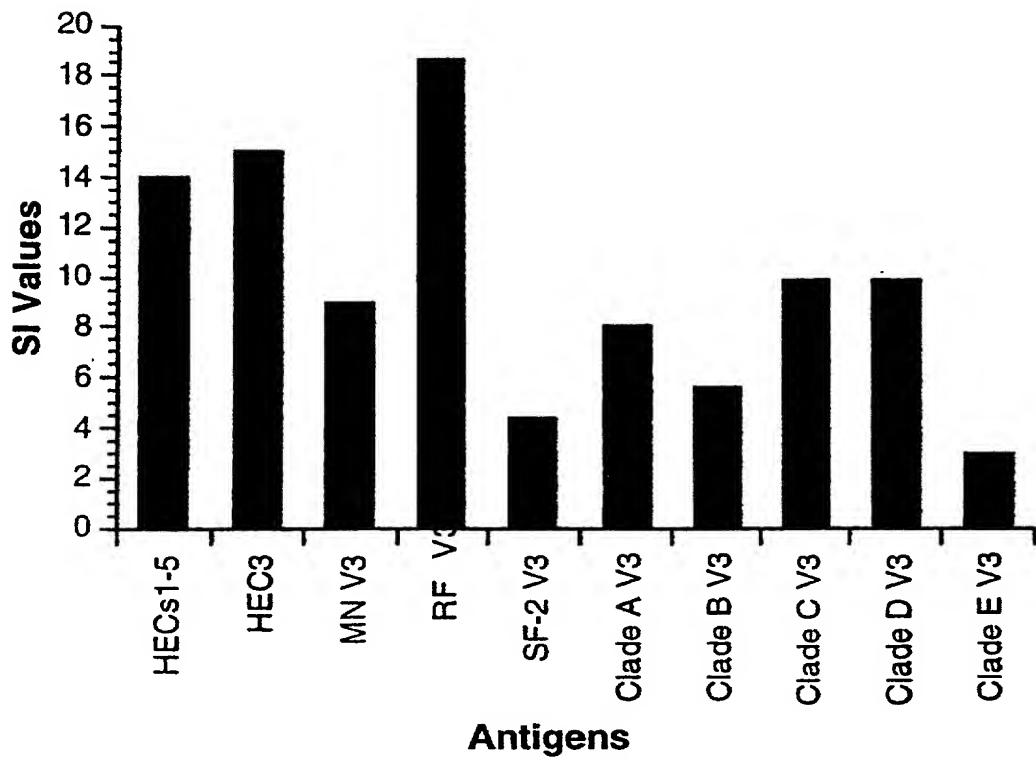


FIG. 4

MONKEY NO.	ANTIGEN	ANTIBODY TITERS (weeks post immunization)*											
		2	4	6	8	11	13	16	20	37	40	76	96
25705	HECs 1-5	0	100	1000	1000	>40000	>40000	>5000	>5000	1000	1000	1000	1000
	HEC1	0	100	100	500	>40000	>40000	>5000	>5000	1000	1000	1000	1000
	HEC2	0	0	0	0	>40000	>40000	1000	500	100	100	100	100
	HEC3	100	500	500	1000	>40000	>40000	>5000	>5000	1000	100	100	100
	HEC4	0	0	500	500	>40000	>40000	>5000	>5000	1000	1000	1000	1000
	HEC5	0	0	1000	1000	>40000	>40000	1000	500	100	100	100	100
	HECs 1-5	0	100	100	100	>40000	>40000	>5000	>5000	5000	1000	1000	1000
	HEC1	0	0	0	0	20000	20000	>5000	>5000	1000	1000	1000	1000
	HEC2	0	0	0	0	20000	5000	500	500	500	500	500	500
	HEC3	0	100	100	>40000	100000	>5000	1000	1000	1000	1000	1000	1000
25598	HEC4	0	0	100	100	>40000	>40000	>5000	>5000	5000	1000	1000	1000
	HEC5	0	0	0	0	100000	100000	5000	5000	1000	1000	1000	1000

FIG. 5

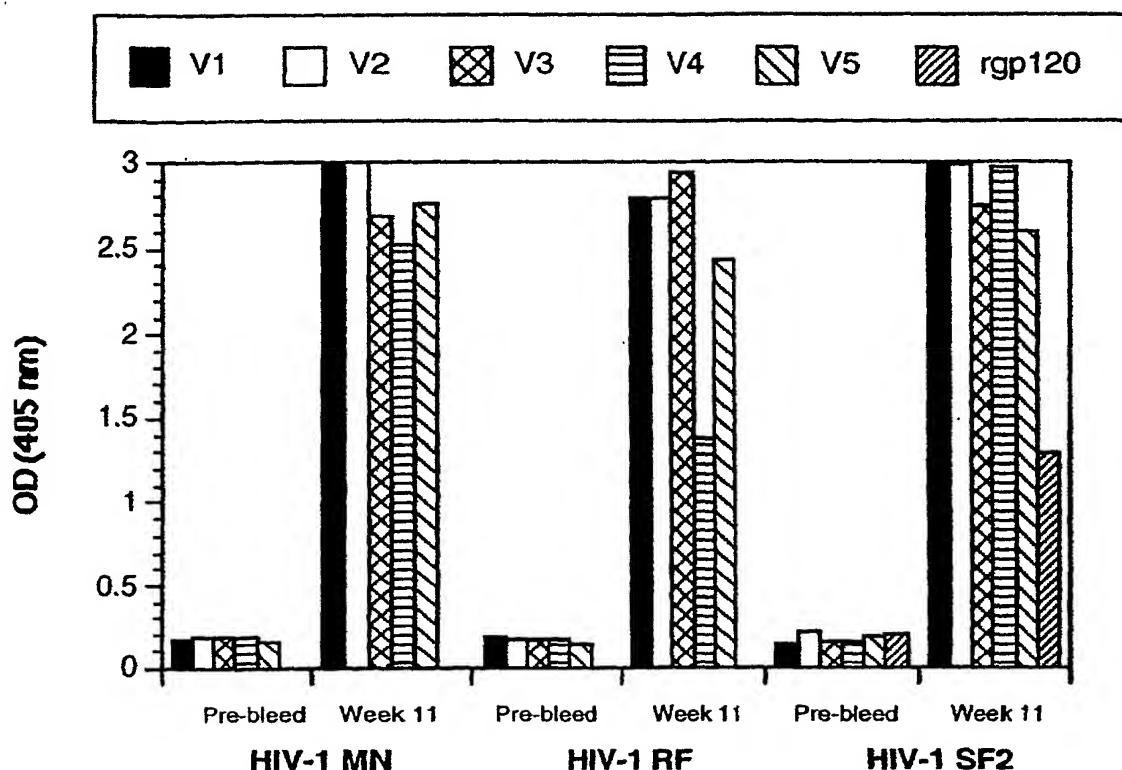


FIG. 6A

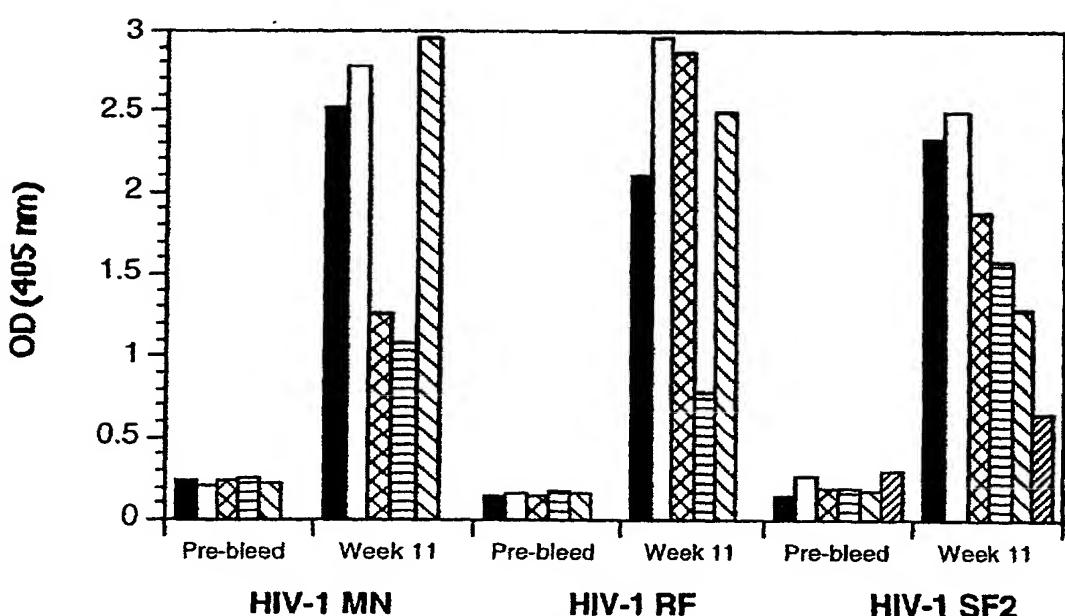


FIG. 6B

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Viral Isolate	Monkey No.	Weeks Post-Immunization	Neutralizing Antibody Titer Inhibition >80% of RT
HIV-1 89.6	25705	Week 11	1:160
		Week 13	1:320
	25598	Week 11	1:160
		Week 13	1:320
	Positive Control		1:2560
HIV-1 III B	25705	Week 11	1:2560
		Week 13	1:1280
	25598	Week 11	1:640
		Week 13	1:320
	Positive Control		1:2560
HIV-1 SF162	25705	Week 11	1:20
		Week 13	1:40
	25598	Week 11	1:40
		Week 13	1:160
	Positive Control		1:1280
SIVmac239	25705	Weeks 11 & 13	none
	25598	Weeks 11 & 13	none
SRV-1	25705	Weeks 11 & 13	none
	25598	Weeks 11 & 13	none

FIG. 7

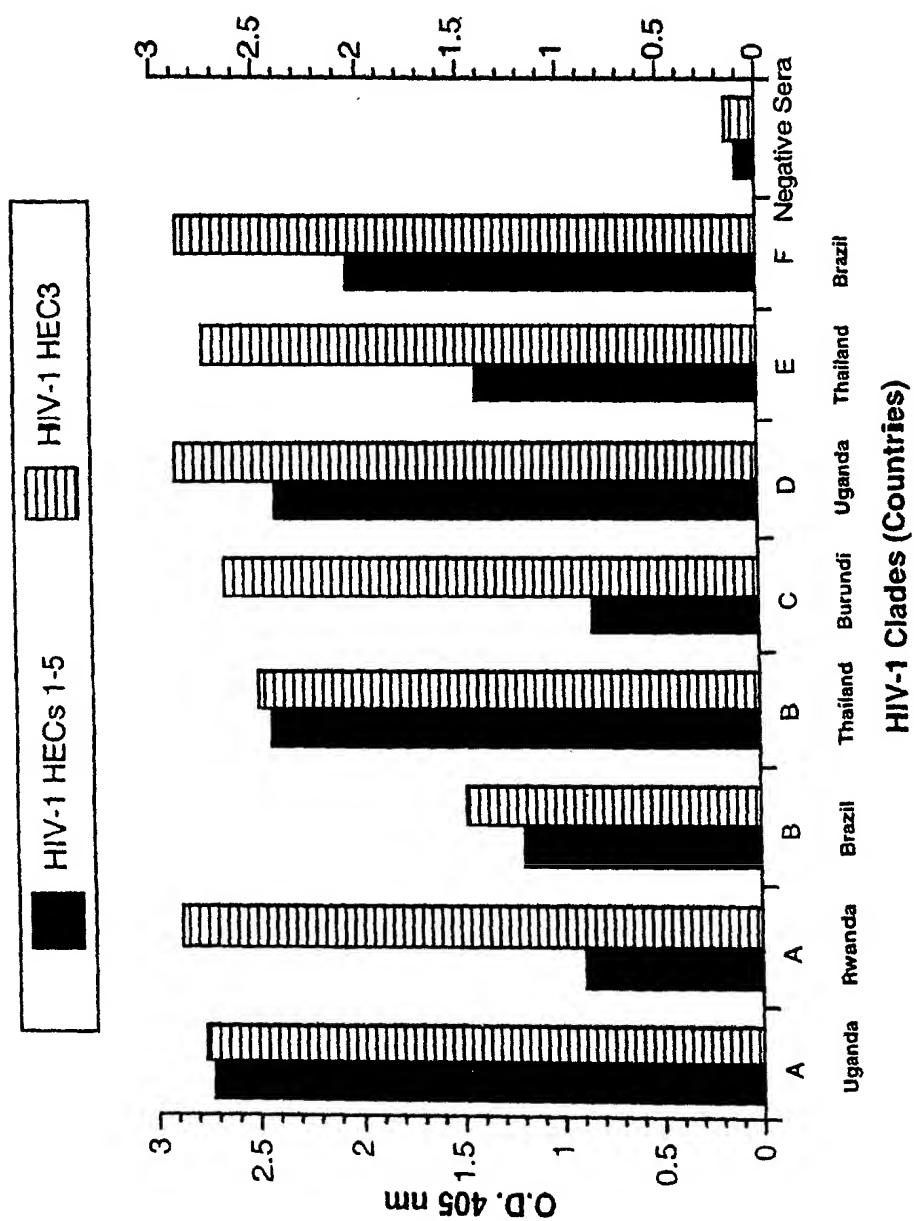


FIG. 8

FIG. 9

FIG. 10

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20 25 30 35 40 45 50 55

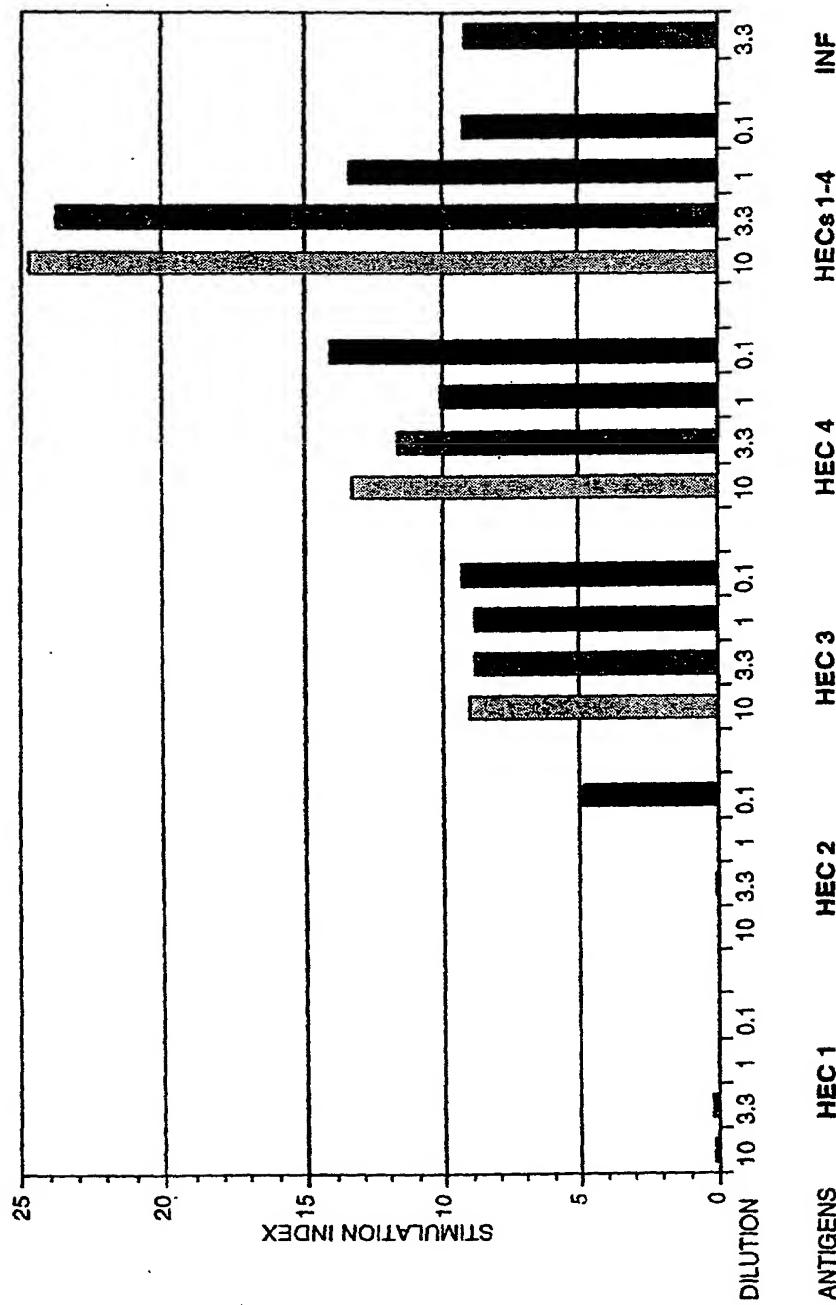


FIG. 11

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12/16/97 12/16/97 12/16/97

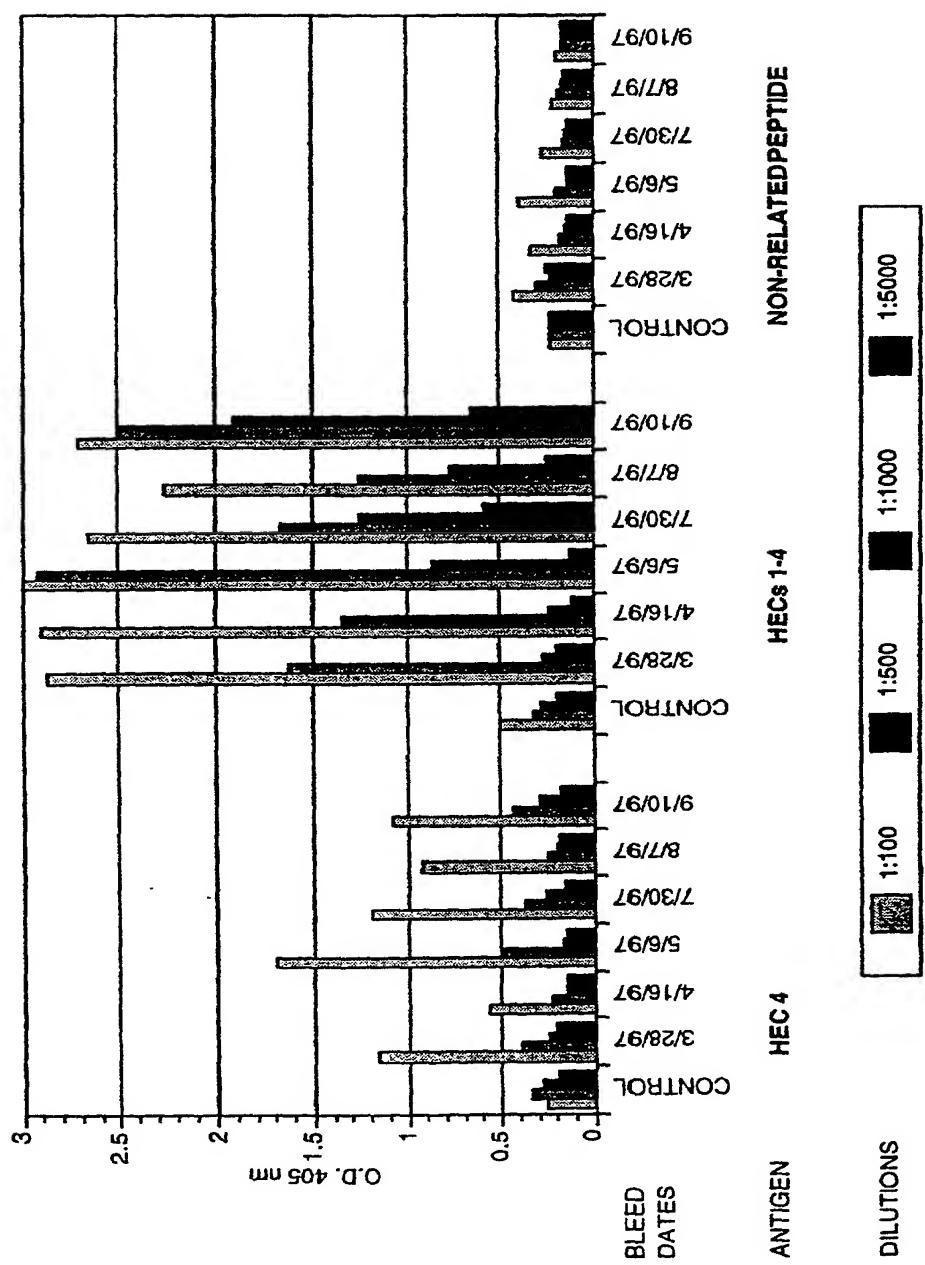


FIG. 12

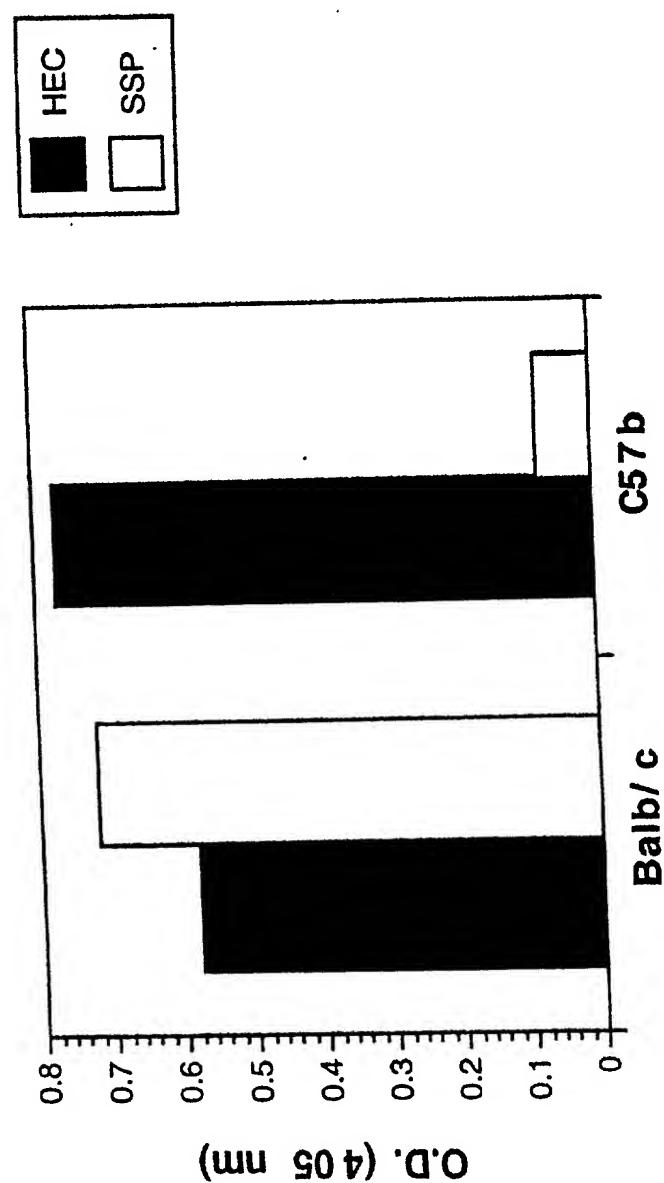


FIG. 13

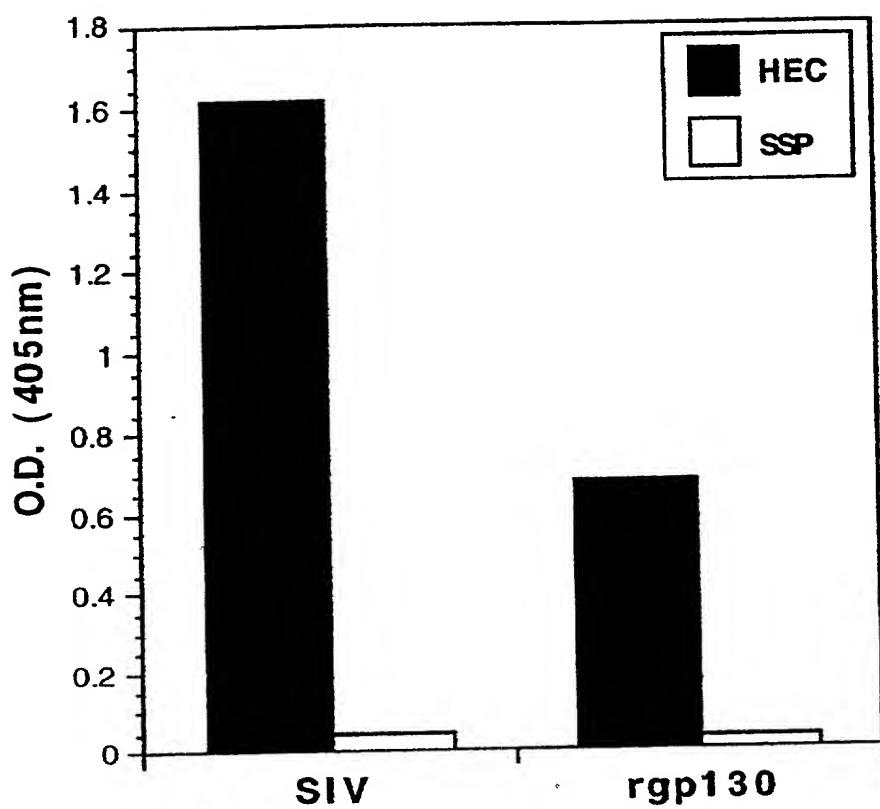


FIG. 14

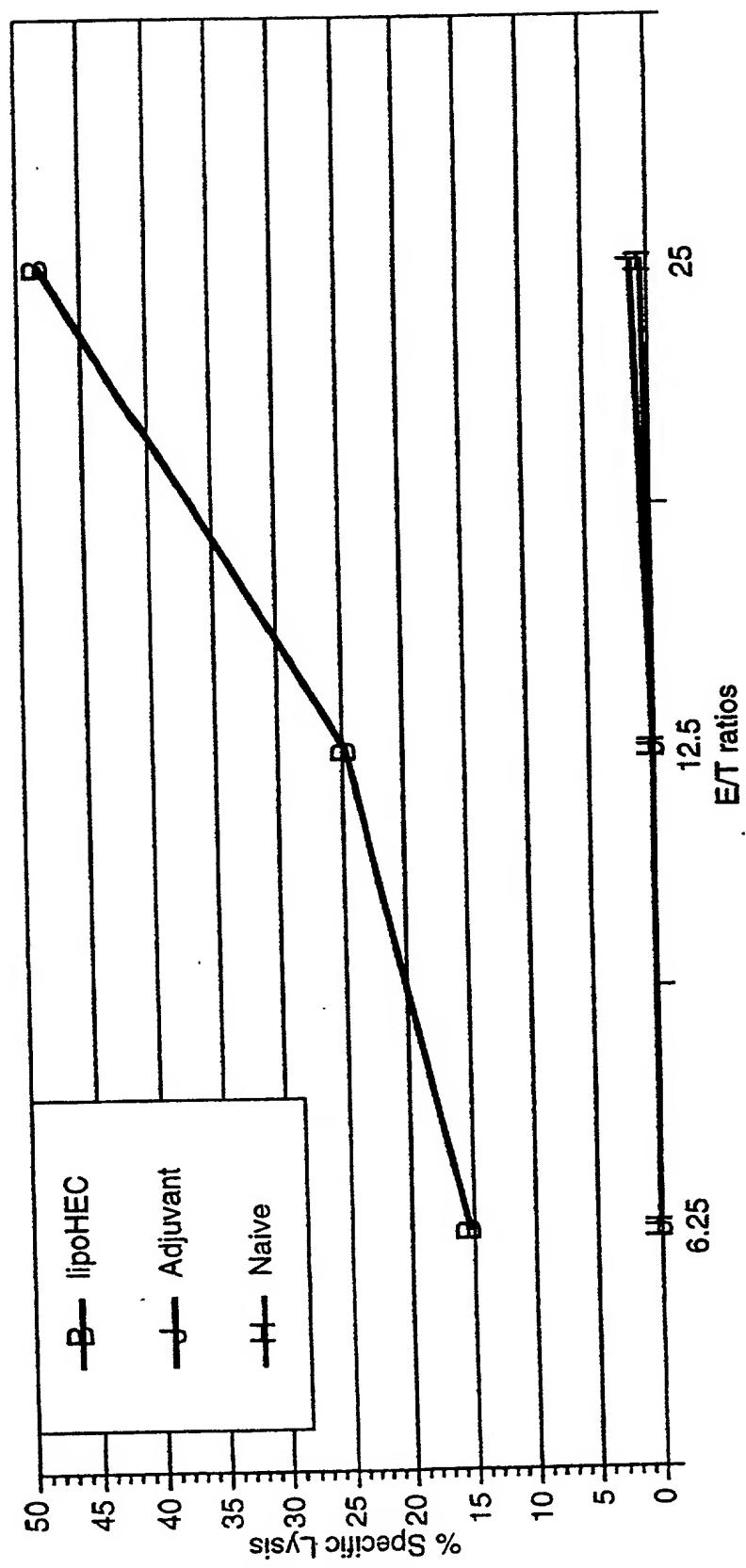


FIG. 15

Construct	Amino acid(s) added at each position during peptide synthesis:																				
	C	T	N	V	N	T	N	N	T	T	N	T	T	S	S	S	G	G	T	M	E
<b>gp 120-1</b>																			K	G	E
64 variants	D	L	N	N	T														I	N	C
	M	T	T	E	L	R	D	K	Q	K	E	Y	A	L	F	Y	R	I	D	V	V
<b>gp 120-2</b>																			I	D	N
64 variants	I		S	I			V		V										S	T	S
	R	K	S	I	R	I	G	P	G	Q	A	F	Y	A	T	G	D	I	I	G	
<b>gp 120-3</b>																			R	Q	A
32 variants						H					R	T		T		E			H	C	
	C	N	S	T	Q	L	F	N	S	T	W	S	T	E	G	S	N	N	T	E	G
<b>gp 120-4</b>																			D	T	
32 variants	T	S	G																N		
	G	N	N	N	S	S	N	E	I	F	R	P	G	G	G						
<b>gp 120-5</b>																					
48 variants	S	T	N		T			T	T												

FIG. 16